

CASE SE/2-22920/A/PCT

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dolores De

Type or print name

Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PATENT No. 7,439,401 OF

Group Art Unit:

REINHARD H. SOMMERLADE ET AL.

Examiner:

ISSUED: OCTOBER 21, 2008

APPLICATION NO: 10/564,711

FILED: JANUARY 12, 2006

FOR: PROCESS FOR PREPARING

ACYLPHOSPHANES AND DERIVATIVES

THEREOF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

of Correction

ATTENTION: Decision and Certificate of Correction **Branch of the Patent Issue Division**

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322

Patentees recently received a copy of the above-issued patent and discovered an error under Item (75) "Inventors:". The country where the fifth inventor resides is incorrect. The country should read: Switzerland (CH) not Germany (DE). Patentees enclose the title page of International Publication No. WO 2005/014605 showing this is true. A Request for a Certificate of Correction is hereby submitted pursuant to 37 CFR § 1.322.

Attached in duplicate is Form PTO-1050, with at least one copy being suitable for printing.

NOV 2 6 2008

As will be noted in the application as filed, this error is not ascribable to Patentees, so it is submitted that no fee is due. However, should it be determined that the filing of this paper necessitates the payment of any fee authorization is hereby given to debit patentees Deposit Account No. 03-1935. Please send the Certificate of Correction to Patentees' undersigned agent at the address listed below.

Respectfully submitted,

Joseph Suhadolnik

Agent for Patentees

Reg. No. 56,880

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Encls.: two copies of Form PTO-1050

a copy of title page of WO 2005/014605

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10/564,711 - 2 - SE/2-22920/A/PCT

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.

7,439,401

DATED

OCTOBER 21, 2008

INVENTOR(S)

REINHARD H. SOMMERLADE ET AL.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On title page

Item (75) should read:

-- (75) Inventors: Reinhard H. Sommerlade, Neuenburg am Rhein (DE); Souâd Boulmaâz, Birsfelden (CH); Jean-Pierre Wolf, Maisprach (CH); Jens Geier, Wuppertal (CH); Hansjörg Grützmacher, Dielsdorf (CH); Markus Scherer, Beromünster (CH); Hartmut Schönberg, Kilchberg (CH); Daniel Stein, Seelze (DE); Peter Murer, Allschwil (CH); Stephan Burkhardt, Gelterkinden (CH) --.

MAILING ADDRESS OF SENDER:

PATENT NO. 7,439,401

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PATENT NO. 7,439,401

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English

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18 July 2003 (18.07.2003) EP

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- (74) Common Representative: CIBA SPECIALTY CHEM-ICALS HOLDING INC.; Patent Department, Klybeckstrasse 141, CH-4057 Basel (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

[Continued on next page]

(54) Title: PROCESS FOR PREPARING ACYLPHOSPHANES AND DERIVATIVES THEREOF

$$R_{1} = \begin{bmatrix} \begin{bmatrix} R_{3} \\ P \end{bmatrix} & 2-m \\ C & C - R_{2} \end{bmatrix}_{m}$$

$$R_{1} = \begin{bmatrix} \begin{bmatrix} R_{3} \\ P \end{bmatrix} & B \end{bmatrix}$$
(IIa),

$$R_{1} = \begin{bmatrix} \begin{bmatrix} R_{3} \\ \end{bmatrix}_{2-m} \\ P = \begin{bmatrix} Hal \\ \end{bmatrix}_{m} \end{bmatrix}_{n}$$
(IIb),

$$R_{1} = \begin{bmatrix} \begin{bmatrix} R_{3} \\ \end{bmatrix} & 2-m \\ P & \begin{bmatrix} \end{bmatrix} & Hal \\ \end{bmatrix}_{n}$$

$$S \qquad (IIc)$$

NOV 2 6 2008

(57) Abstract: The present invention relates to a new, selective process for the preparation of mono- and bisacylphosphanes of formula (I) n and m are each independently of the other I or 2; R_1 , if n=1, is e.g. phenyl R_1 , if n=2, is e.g. C_1 - C_1 salkylene or phenylene; R_2 is e.g. C_1 - C_1 salkyl, phenyl or substituted phenyl; R_3 is e.g. C_1 - C_1 salkyl, by (1) reacting a phosphorous halide of formula (IIa) or a phosphorous halide oxide of formula (IIb) or a phosphorous halide sulfide of formula (III) with an alkali metal in a solvent in the presence of a proton source; (2) subsequent reaction with m acid halides of formula (III) An oxidation step may follow to obtain mono- and bisacylphosphane oxides or mono- and bisacylphosphane sulfides.

